



JAN 21 & 22, 2022

VIRTUAL EVENT

**EMS CONFERENCE
GRAND JUNCTION, CO**

17th Annual EMS Conference

presented by Professional EMS Education

The leader in EMS education for Western Colorado

17TH YEAR!

**It's A Virtual
Event!!**

**Conference
Dates**

Friday,

Jan 21st

&

Saturday,

Jan 22nd

**Nationally
Recognized
Presenters!**

**Professional EMS
Education
629 Hudson Bay Dr
Grand Junction, CO
81504**

www.proemsedu.com

**(970) 254-8135 office
(970) 242-8357 fax**

Registrations

Please print legibly or type all information on the registration form. Submit only one form per attendee. Registrations cannot be shared. Registrations will **not** be accepted without accompanying payment information.

Register online! www.proemsedu.com under Upcoming Events! You can download your schedule at any time.

Cancellations

A full refund can be obtained if a cancellation is received no later than Sunday January 16th, if a cancellation is submitted after Monday, January 17, 2022. No refund is issued. There are **NO** refunds for attendee no shows.

CE's

Professional EMS Education, LLC is an approved Colorado Training Group. You can earn approved CEU's for the classes attended at this conference. A total of 16 hours can be achieved if you attend all presentations over the two - day event.

Conference Format

The 2022 EMS Conference will be conducted in a virtual format. The program will be run on Zoom. All participants will get an email invitation for each day of the conference they are registered for.

You do not need to download any programs or apps for the meeting, just follow the link that will be sent; it will put you in a waiting room and we will admit you. (We have found that if you download the application the reception for the presentation tends to be a little better)

Attendance will be verified by signing into the chat box. This will be required for each attendee in order to receive CEU's for every class attended.

Cost

One day attendance will be \$40 / person

Full two - day conference will be \$70 / person

Thank You to our
Conference Sponsors:

Professional EMS Education

St, Mary's Hospital and Medical Center

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Presenters

Danny Barela, NRP; BAS; Western Colorado RETAC Coordinator

Danny has been a paramedic since 1979. He has been committed to emergency care as a provider, an agency director, an educator and as a flight paramedic. He has worked in Coal Mines, Construction sites, in rural and urban EMS systems and in critical care transport. He directed the creation of the paramedic program at Colorado Mesa University. He worked 28 years as a flight paramedic for CareFlight. He has served on several policy boards and taskforces and is currently the Western Colorado RETAC Coordinator. Danny is the current president of CEMSEA, the Colorado EMS Educators Association. He describes himself as a proud new grandfather, a husband, a father, a caregiver, an explorer and, when needed, a leader. He has a passion for wilderness appreciation, American history, and life-long learning.

Marc Burdick, BS, Paramedic, Director of Training Rescue Inc.

Marc is the Director of Clinical Education and Technical Paramedic for Rescue Inc., in Brattleboro, Vermont. He previously was the Quality and Compliance Manager with Eagle County Paramedics (CO) where he founded and managed the Wilderness Paramedic Program. He also was a paramedic with Vail Ski Patrol. His experience and interests include wilderness medicine, ski patrolling, avalanche resuscitation, health and wellness, quality management, EMS data, systems development, safety and EMS/Public Health Integration. He is a graduate of the University of Massachusetts-Amherst and the Wilderness Paramedic Program at Colorado Mountain College. His black lab is Josie. He can be reached at mburdick@rescueinc.org

Ugne Cassidy, DO, Emergency Department Physician at Community Hospital,

Originally born in Lithuania but moved to Chicago at the age of 11. Undergraduate education was at Benedictine University in Lisle, IL in 2007 went to Midwestern University- Chicago College of Osteopathic Medicine for medical school graduated in 2011. Emergency Medicine at Midwestern University associated with 9 different hospitals in Chicagoland area. Graduated in 2015. Moved out to Grand Junction after residency and have been with Community Hospital for 6.5 years.

Adam Compton, MHS, NREMT, BLS, ACLS, PALS Instructor, Primary Instructor Professional EMS Education, Grand Junction, CO. Adam has been teaching in medicine since 2011 for Professional EMS Education. Adam completed his masters' degree in Biomedical Sciences with a focus on clinical human anatomy and physiology. Throughout school Adam taught human anatomy to undergraduate students in a dissection/prosection lab. He is also certified as a NREMT and teaches EMS as a Colorado EMS Primary Instructor. He is a full time member of Lower Valley Fire District in Fruita, Colorado.

Fidel O. Garcia, Paramedic, nationally recognized presenter, AHA training center coordinator, Owner Professional EMS Education, Grand Junction, CO. Fidel began his career in 1979 in Leadville, Colorado. He began teaching EMS education classes in 1983. Fidel has worked as a medic in prehospital EMS, a flight medic and hospital based EMS agencies. He has been presenting at local, state, regional, national EMS conferences and events for the last 26 years. Fidel is a frequent reviewer of EMS textbooks and is published in textbook and magazine for EMS

Dave Gilmore, MD, Director of Toxicology, Emergency Department, St. Joseph Hospital, Colorado Permanente Medical Group. Dr. Gilmore is a former Academic Professor of Medicine in the Division of Clinical Pharmacology and Toxicology at the University of Colorado Health Sciences Center. American Heart Association former ECC Science Publications Editor, AHA Programs Education Committee, Regional Faculty, Course Director & International Training Officer. He is the current Medical Director for Professional EMS Education.

Quigley Peterson, MD

Dr. Peterson has been actively engaged in rural and urban EMS since 1983. He is drawn to the individuals in the field, as well as the special nature of their passion. He was instrumental in having Epinephrine Without Auto-injector added to the regular curriculum for Basic EMT's in New Mexico in 2010. He serves as Southeast Region EMS Council Medical Director and is the Co-chair of the Alaska State Medical Direction Committee. He is Board Certified in Emergency Medicine, was recipient of the 2005 Timothy Fleming New Mexico Medical Director of the Year and was awarded the Richard Fernau EMS Medical Director of the Year Award in 2006 by the National Association of Emergency Medical Technicians.

Presenters continued

Rebecca Peterson, BSN, RN, CPN, is the Outreach Education and Affiliation Manager at Rocky Mountain Hospital for Children. She is a Certified Pediatric Nurse with 13 years of critical care pediatric experience. During this time, she has worked primarily in critical care areas such as the Pediatric ER and ICU as well as the Newborn ICU. She is in charge of running the Mobile Training Center, providing newborn and pediatric education and consulting services for hospitals and EMS crews in a four state region. Rebecca graduated from Regis University with her Bachelor of Science in Nursing in 2008. She has won a Gold Star award for her hard work and dedication for implementing the Mobile Training Center- utilizing pediatric simulation education, in four states. She has also won a nurse advocacy award, and has been nominated twice for the Daisy Award, recognizing nurses who demonstrate clinical expertise and extraordinary compassionate care.

Kristin Powell, MD, Associate Professor at the University of Colorado Department of Obstetrics and Gynecology. Dr. Powell joined as a full time OB/Gyn Hospitalist in 2018. Prior to joining the CU faculty, she spent one year in private practice in her hometown of Tampa, Florida and then four years as an Academic Generalist at Albert Einstein College of Medicine in the Bronx. Dr. Powell is passionate about medical education and serves as both the Fellowship Director for the OB/Gyn Hospitalist program as well as the Associate Program Director for the Ob/Gyn Residency. She believes that education is a core component of improving quality and patient safety.

Cat Steinbach - Payne RN, MSN, Outreach Clinical Education Specialist at Rocky Mountain Hospital for Children. Catt is a Certified Critical Care Nurse and holds an NCC Care of Extremely Low Birth Weight Infant certification as well. Cat has been a nurse for approximately 5 years with experience in adult ICU and high acuity neonatal intensive care. As the Outreach Clinical Education Specialist, Cat is in charge of providing newborn and pediatric education for hospitals and EMS in a four state region. Cat graduated from Regis University in 2017 with her Bachelor of Science in Nursing and then from Western Governor's University in 2021 with her Masters of Science in Nursing Education. She has been awarded Nursing Team Lead of the Year and been nominated for the Daisy Award, recognizing nurses who demonstrate clinical expertise and extraordinary compassionate care.

Sean Smith, Flight Nurse, Paramedic, CCRN-CMC, CFRN, RNC-NIC,

US Navy Veteran Self Employed as a Full Time Independent Contractor / Consultant. This allows me to schedule my off duty time for medical missions. For the past decade, I have clinically contracted for various agencies, hospitals, and flight teams (currently Vector Aeromedical, RDU). My consulting clients have included Akron Children's Hospital, Arkansas Children's Hospital, Children's Hospital of Orange County, The Mayo Clinic, Yale-New Haven Children's Hospital, Flight for Life (TX), etc. Long Term Clients include: PESI HealthCare (2012-Present): (Faculty: Emergency / Critical Care Seminars, averaging 1,000+ students / year), and CPR Consultants (2010-Present): (AHA/AAP: Training Center Faculty: Basic Life Support, Advanced Cardiac Life Support, Pediatric Advanced Life Support and Neonatal Resuscitation Program.) Additionally, I have established ongoing Neonatal-Pediatric and Adult Emergency Medicine and Critical Care Education Programs in multiple countries. Humanitarian Medicine Experience includes 50+ Medical Missions, Hot Zone experience during the 2014-15 Ebola Outbreak, Tropical Medicine Clinical Experience with Cholera, Diphtheria, Leprosy, Tetanus, Rabies, Malaria, etc., Coordinating/ financing medical logistics/ evacuations in Haiti during 2016's Hurricane Matthew, and providing just in time, turnkey SARS-CoV2 clinical training for Guyana's Ministry of Health, allowing them to rapidly upscale and successfully combat their initial surge of COVID-19 patients

Shane Urban, RN – Critical Intervention Screen (CIS)

Over the past 4 years Shane Urban has helped build and manage the trauma research program at the University of Colorado Hospital (UCH). Through his efforts, UCH has participated in numerous multicenter studies around the country. In addition, Mr. Urban has helped design and coordinate a large multicenter study that included 24 sites around the US, Canada, and Israel. Currently, Shane is the principle investigator for 6 ongoing studies at UCH; two of which are EMS focused. To date, Shane has been a contributing author on 15 trauma and acute care related publications exploring topics such as the emergent transport of trauma patients, public mass shooting events, and use of capnography to predict trauma outcomes. Prior to managing the trauma research program at UCH, Shane served as a Denver Health Paramedic for 7 years. Conservatively, Shane has ran over 8,000 911 calls over his tenure. After transitioning into nursing, Shane served as an ED nurse, clinical research nurse, and interventional radiology nurse. Shane is currently enrolled in a Master's of Data Science program at Cabrini University.

Presenters continued

G Wagner, BSN, RN, CFRN, CEN – Critical Care Flight Nurse.

G started his career in 2010 as an EMT in Southern Colorado. In 2015 he received his Bachelor of Science Degree in Nursing from Colorado Mesa University, and shortly after began working for Parkview Health System in Pueblo, CO. G spent five years at Parkview as a member of their trauma, emergency, and critical care teams, while also serving as a PALS and ACLS instructor. G is board certified in Flight and Emergency Nursing and has been a Flight nurse in Southern Colorado since 2019.



CC01 Opening Presentation: Dr. Powell: OB Trauma and Postpartum Hemorrhage

OB Emergencies can be some of the most challenging calls we respond to. This session examines pre-hospital care for OB trauma and postpartum hemorrhage control. Physiology, assessment and stabilization are examined, as are critical management steps to control bleeding.

CC02 Shane Urban: Critical Intervention Screen (CIS): A Novel Tool to Determine the use of Lights and Sirens During the Transport of Trauma Patients

The use of emergent transport (lights and sirens) has been a long standing tradition in the EMS community. However, it is well known that their use is associated with increased risk of motor vehicle collisions. Despite expert consensus from the National Association of Emergency Medical Service Physicians (NAEMSP) that protocols need to be developed to govern their use during patient transport, most EMS systems are devoid of such protocols. In the few studies done on systems with such protocols, major trauma remains one of the recognized indications for their use. This educational offering will review the current literature around emergent transport and offer a novel tool EMS professionals can employ in the absence or standing orders.

CC03 Adam Compton, Medication Administration

Remember in EMT/Paramedic school or ACLS/PALS when you would administer medications during scenarios and your patient would promptly die? This course will address that engrained fear of our pharmacology in EMS. We will discuss the safety profile of common medications we administer, and we will discuss the contraindications and situations where these medications may cause harm. Included will be a review of BLS and ALS medications.

CC04 Adam Compton: The Stroke Show

Ever wondered what the benefit of calling stroke alerts are? This course will speak on the importance of early stroke recognition as well as prior notification to the appropriate receiving facility. We will also cover advanced stroke assessment and recognition as well as TPA eligibility and stroke windows.

CC05 Rebecca Peterson; Cat Steinbach-Payne: Managing Neonatal Emergencies

Taking care of a newborn is usually an easy task. However what do you do when there are complications? This session will cover critical components of resuscitation to include knowledge and skills in a correct sequence of the NRP chart so as to optimize positive outcomes. Using a video demonstration we will cover Airway – oxygen – PPV management as well as when to initiate chest compressions while using correct ratio's, technique and how to draw up and administer medications when needed.

CC06 Dr. Gilmore: Snakes and Shrooms

The first part of the presentation Dr. Gilmore will take us on a journey to identify poisonous and non-poisonous snake bites and how we should manage the patient. The second part of the presentation will be how to identify poisonous mushrooms to include signs and symptoms and treatment approach.

CC07 G Wagner: Damage Control, a Guide to Trauma Resuscitation

Join G as we walk through a case study and investigate the "The Lethal Diamond" and its implications on trauma patients. We will discuss different strategies and tools, and how we can use our understanding of "The Lethal Diamond" to guide our resuscitation of the critical trauma patient.

CC08 G Wagner: Brain and Spinal Cord Injuries

Join G as we dive into multiple case studies looking at traumatic brain and spinal cord injuries, initial management strategies, and how we can avoid adding insult to injury.

CC09 Saturday Opening Dr. Cassidy: Understanding the evaluation and management of a patient in pain in an emergency setting.

Managing pain in the prehospital setting has always been a challenge. Dr. Cassidy will review the pathophysiology of pain and how we need to accurately assess and evaluate pain. A discussion on how to treat pain with pharmacologic methods as well as no pharmacology methods for acute pain will be covered as well as a treatment approach for patients with chronic pain.

CC10 Sean Smith: Pediatric Resuscitation (Part 1)

One of the most difficult calls we need to manage is an arrest in the pediatric patient. Sean will take us on a deep dive into the pathophysiology of an arrest in the pediatric patient and cover the pharmacology in depth to allow a complete understanding of why and when we use medications in the arrest setting. This will all be covered in a real and relevant clinical application for the provider. This will be a back to back, 2 part presentation.

CC11 Sean Smith: Pediatric Resuscitation (Part 2)

One of the most difficult calls we need to manage is an arrest in the pediatric patient. Sean will take us on a deep dive into the pathophysiology of an arrest in the pediatric patient and cover the pharmacology in depth to allow a complete understanding of why and when we use medications in the arrest setting. This will all be covered in a real and relevant clinical application for the provider. This will be a back to back, 2 part presentation.

CC12 Danny Barela: Peak Performance for EMS Providers

This presentation will summarize the growing body of research on the impacts of fatigue and sleep deprivation in emergency medicine, prehospital care and in-hospital care. It will look at the trends of performance coaching in athletics as well as in military elite forces training and link human performance enhancement with sleep strategy and fatigue management. Evidence based methods to enhance sleep quality and the appropriate assessment and management of human fatigue in the workplace will be discussed.

CC13 Marc Burdick: Case Studies in Wilderness Medicine

This session will cover three interesting wilderness medicine cases that include: an impaled arrow, avalanche rescue and ATV accident. We will cover lessons learned, extended care, and wilderness medicine principles.

CC14 Marc Burdick: Harness and Suspension Trauma

Multiple professional and recreational activities put people at risk for suspension "harness" trauma. These include rock climbers, line workers, ski area employees, hang gliders, and others. We will explore the complex and interesting pathophysiology of suspension trauma and the EMS approach to field treatment of this rare situation.

CC15 Dr. Peterson: Running Code – Helpful or Harmful

EMS Called for a two car MVC with injuries. You get in and call dispatch that you are enroute. The question is do you respond code or not? Dr. Peterson will discuss the pro and cons of responding to with lights and sirens. There is evidence demonstrating that responding with lights and sirens may have several detrimental effects.

CC16 Fidel O. Garcia: Head and Facial Trauma

What are the types of LeFort Fractures a patient may sustain? What is happening when a patient has a basal skull fracture? Facial trauma and skull fractures can be difficult to manage and can have long term effects on patient's. Using case presentations, we will discuss the differences noted in S / S of each injury and how to develop and implement a treatment plan to allow for the best patient outcome.

THANK YOU TO ALL OF OUR SPONSORS



REGISTRATION FORM

Complete this form and mail with payment and or a copy of the purchase order to:
Professional EMS Education - 629 Hudson Bay Drive - Grand Junction, CO 81504
Fax with credit card number or copy of purchase order to (970) 242-8357
Questions: Email lisa@proemsedu.com or call (970) 254-8135

Last Name:	First Name:
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Contact Phone:	Work Phone:
Organization/Affiliation:	

Registration Fees

CONFERENCE	CONFERENCE FEES	Fees	
Friday Conference Fee	Friday ONLY	\$40	\$
Saturday Conference Fee	Saturday ONLY	\$40	\$
Friday & Saturday Conference Fee		\$70	
	Conference Fee	TOTAL	\$

Payment Information

_____ Enclosed is my check for \$ _____ Enclosed is my purchase order # _____ for \$ _____
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Card #: _____ Exp date: _____ Sec Code: _____

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Personal Class Schedule

Last Name:	First Name:
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(Please print or type your name and return with your registration form)

CONFERENCE Friday, January 21 & Saturday January 22, 2022

TIMES		FRIDAY PRESENTATIONS	PRESENTERS
0830-0930	CC01 ○	OB Trauma & Post-Partum Hemorrhage (1 hr. OB)	Dr. Powell
0940-1040	CC02 ○	Critical Intervention Screen (1 hr. Ambulance Safety)	Shane Urban
1050-1150	CC03 ○	Medication Administration (1 hr. Medication Delivery)	Adam Compton
1200-1300	CC04 ○	The Stroke Show (1 hr. Stroke)	Adam Compton
LUNCH 1300 – 1340			
1340-1440	CC05 ○	Neonatal Resuscitation (1 hr. Pediatric Cardiac Arrest)	Cat Steinbach -Payne / Rebecca Peterson
1450-1550	CC06 ○	Snakes and Shrooms (1 hr. Toxicology)	Dr. Gilmore
1600-1700	CC07 ○	Trauma Resuscitation (0.5 hrs. hemorrhage control / 0.5 hrs. fluid resuscitation)	G Wagner
1710-1810	CC08 ○	Brain and Spinal Cord Injuries (1 hr. CNS Injury)	G Wagner
TIMES		SATURDAY PRESENTATIONS	PRESENTERS
0830-0930	CC09 ○	Pain Management (1 hr. Pain Management)	Dr. Cassidy
0940-1040	CC10 ○	Pediatric Resuscitation – Part 1 (1 hr. Pediatric Cardiac Arrest)	Sean Smith
1050-1150	CC11 ○	Pediatric Resuscitation – Part 2 (1 hr. Pediatric Cardiac Arrest)	Sean Smith
1200-1300	CC12 ○	Peak Performance (1 hr. Culture of Safety)	Danny Barela
LUNCH 1300 – 1340			
1340-1440	CC13 ○	Case Studies in Wilderness Medicine (1 hr. Field Triage)	Marc Burdick
1450-1550	CC14 ○	Harness / Suspension Trauma (1 hr. At Risk population)	Marc Burdick
1600-1700	CC15 ○	Running Code – Helpful or Harmful (1 hr. Research)	Dr. Peterson
1710-1810	CC16 ○	First Time Ever I Saw Your Face (1 hr. CNS Injury)	Fidel O. Garcia